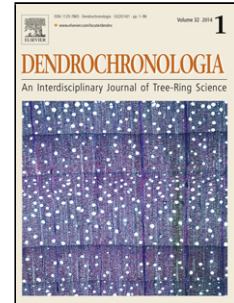


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1 **Dendroecological potential of shrubs for reconstructing fire history at landscape**  
2 **scale in Mediterranean-type climate grasslands: the case of *Fabiana imbricata***

3

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12

13 *Keywords:* Shrubland age structure - Fire occurrence - Dendroecology

14

15 **ABSTRACT**

16 Fire recurrently affects Mediterranean-type climate (MTC) regions causing major

17 implications on the structure and dynamics of vegetation. In these regions, it is

18 important to know the fire regime for which reliable fire records are needed.

19 Dendroecology offers the possibility of obtaining fire occurrence data from woody

20 species and has been widely used in forest ecosystems for fire research. Grasslands are

21 regions with no trees where shrubs can provide dendroecological evidence for

22 reconstructing fire history at landscape scale. We studied the dendroecological potential

23 of the shrub *F. imbricata* to reconstruct fire history at landscape scale in MTC

24 grasslands of northwestern Patagonia. In order to accomplish this, we combined spatio-

25 temporal information of recorded fires from the study area with the age structure of *F.*

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